

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 18, 2004, 08:41:44 ; Search time 159.667 Seconds

SEARCH TIME 155:007
(without alignments)

812.711 Million cell updates/sec

Title: US-09-310-844C-24

Title: _____
 Perfect score: 29

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Scoring table: IDENTITY NUC

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scoring code: IDENTIFI_NOC
Gapop 10.0 . Gapext 1.0
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Searched: 2890132 seqs. 2237290429 residues

Total number of bits satisfying chosen parameters:

Minimum DB seq length: 0

Minimum	DB	seq	length:	0
Maximum	DB	seq	length:	80

Post-processing: Minimum Match 0%

Post-processing: Minimum Match 0%
Maximum Match 100%

Maximum Match 100%
Listing first 1000 summaries

Database :

Database : Published Applications NA: **

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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		Match	Length			
c 1	16	55.2	41	14	US-10-005-956-375	Sequence 375, App
	15.6	53.8	38	14	US-10-123-706-20	Sequence 20, App
	15.6	53.8	59	14	US-10-123-706-19	Sequence 19, App
c 2	15.4	53.1	53	9	US-09-983-965-4754	Sequence 4754, App
	15	51.7	25	14	US-10-098-263B-37315	Sequence 37315, App
	14.8	51.0	43	14	US-10-033-585-694	Sequence 694, App
c 3	14.8	51.0	50	15	US-10-131-837-3022	Sequence 3022, App
	14.6	50.3	65	14	US-10-033-585-3227	Sequence 3227, App
	14.4	49.7	41	14	US-10-003-956-312	Sequence 312, App
c 4	14.4	49.0	25	9	US-09-827-998-1098	Sequence 1098, App
	14.2	49.0	25	9	US-09-827-998-1099	Sequence 1099, App
	14.2	49.0	25	9	US-09-827-998-1100	Sequence 1100, App
c 5	14.2	49.0	25	9	US-09-827-998-1101	Sequence 1101, App
	14.2	49.0	25	9	US-09-827-998-1102	Sequence 1102, App
	14.2	49.0	25	9	US-09-827-998-1103	Sequence 1103, App

89	13.4	46.2	52	14	US-10-143-618-6	Sequence 6, Appli	Sequence 6, Appli	162	13.2	45.5	27	9	US-09-764-857-4	Sequence 4, Appli
90	13.4	46.2	60	10	US-09-908-975-6410	Sequence 6410, Ap	Sequence 6410, Ap	163	13.2	45.5	27	9	US-09-860-670-4	Sequence 4, Appli
c 91	13.4	46.2	60	10	US-09-908-975-10589	Sequence 10589, A	Sequence 10589, A	164	13.2	45.5	27	9	US-09-984-245-4	Sequence 4, Appli
c 92	13.4	46.2	60	10	US-09-908-975-11812	Sequence 11812, A	Sequence 11812, A	165	13.2	45.5	27	9	US-09-764-868-4	Sequence 1256, Ap
c 93	13.4	46.2	60	14	US-10-187-394-32	Sequence 32, Appl	Sequence 32, Appl	166	13.2	45.5	27	9	US-09-764-868-1256	Sequence 1261, Ap
c 94	13.4	46.2	65	10	US-09-908-975-24967	Sequence 24967, A	Sequence 24967, A	167	13.2	45.5	27	9	US-09-764-868-1361	Sequence 1262, Ap
c 95	13.4	46.2	65	14	US-10-032-585-2178	Sequence 2178, Ap	Sequence 2178, Ap	168	13.2	45.5	27	9	US-09-764-868-1362	Sequence 1263, Ap
c 96	13.4	46.2	65	14	US-10-008-789-78	Sequence 78, Appl	Sequence 78, Appl	169	13.2	45.5	27	9	US-09-764-868-1363	Sequence 1264, Ap
c 97	13.2	45.5	25	10	US-09-827-998-1097	Sequence 1097, Ap	Sequence 1097, Ap	170	13.2	45.5	27	9	US-09-764-868-1364	Sequence 1265, Ap
c 98	13.2	45.5	25	12	US-10-675-685-1097	Sequence 1097, Ap	Sequence 1097, Ap	171	13.2	45.5	27	9	US-09-764-868-1365	Sequence 1266, Ap
c 99	13.2	45.5	25	14	US-10-098-263B-76444	Sequence 76444, A	Sequence 76444, A	172	13.2	45.5	27	9	US-09-764-868-1366	Sequence 1267, Ap
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101	13.2	45.5	27	9	US-09-126-945B-7	Sequence 7, Appli	Sequence 7, Appli	174	13.2	45.5	27	9	US-09-852-797-4	Sequence 4, Appli
102	13.2	45.5	27	9	US-09-739-907-4	Sequence 4, Appli	Sequence 4, Appli	175	13.2	45.5	27	9	US-09-764-904-4	Sequence 16, Appli
103	13.2	45.5	27	9	US-09-723-835-4	Sequence 4, Appli	Sequence 4, Appli	176	13.2	45.5	27	10	US-09-320-713-16	Sequence 22, Appli
104	13.2	45.5	27	9	US-09-739-254-4	Sequence 4, Appli	Sequence 4, Appli	177	13.2	45.5	27	10	US-09-320-713-22	Sequence 4, Appli
105	13.2	45.5	27	9	US-09-731-816-16	Sequence 16, Appl	Sequence 16, Appl	178	13.2	45.5	27	10	US-09-774-639-4	Sequence 4, Appli
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131	13.2	45.5	27	9	US-09-764-848-4	Sequence 4, Appli	Sequence 4, Appli	204	13.2	45.5	27	10	US-09-892-877-4	Sequence 4, Appli
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133	13.2	45.5	27	9	US-09-925-297-922	Sequence 922, App	Sequence 922, App	206	13.2	45.5	27	10	US-09-421-112-26	Sequence 32, Appli
134	13.2	45.5	27	9	US-09-764-878-4	Sequence 4, Appli	Sequence 4, Appli	207	13.2	45.5	27	10	US-09-421-112-32	Sequence 4, Appli
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136	13.2	45.5	27	9	US-09-764-898-4	Sequence 4, Appli	Sequence 4, Appli	209	13.2	45.5	27	10	US-09-764-862-4	Sequence 87, Appli
137	13.2	45.5	27	9	US-09-764-903-4	Sequence 4, Appli	Sequence 4, Appli	210	13.2	45.5	27	10	US-09-373-658-87	Sequence 93, Appli
138	13.2	45.5	27	9	US-09-764-903-63	Sequence 63, Appl	Sequence 63, Appl	211	13.2	45.5	27	10	US-09-373-658-93	Sequence 4, Appli
139	13.2	45.5	27	9	US-09-764-860-4	Sequence 4, Appli	Sequence 4, Appli	212	13.2	45.5	27	10	US-09-764-861-4	Sequence 4, Appli
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156	13.2	45.5	27	9	US-09-764-847-4	Sequence 4, Appli	Sequence 4, Appli	229	13.2	45.5	27	12	US-10-351-334-4	Sequence 20, Appli
157	13.2	45.5	27	9	US-09-764-877-4	Sequence 4, Appli	Sequence 4, Appli	230	13.2	45.5	27	12	US-10-610-917-20	Sequence 26, Appli
158	13.2	45.5	27	9	US-09-764-873-4	Sequence 4, Appli	Sequence 4, Appli	231	13.2	45.5	27	12	US-10-621-401-4	Sequence 4, Appli
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253	13.2	45.5	27	12	US-09-984-490-4	Sequence 4, Appl	326	13.2	45.5	27	14	US-10-055-098-4	Sequence 4, Appl
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259	13.2	45.5	27	12	US-10-372-876-4	Sequence 4, Appl	332	13.2	45.5	27	14	US-10-277-966-26	Sequence 26, Appl
260	13.2	45.5	27	12	US-10-358-228-19	Sequence 19, Appl	333	13.2	45.5	27	14	US-10-207-175-4	Sequence 4, Appl
261	13.2	45.5	27	12	US-10-358-228-25	Sequence 25, Appl	334	13.2	45.5	27	14	US-10-135-839-13	Sequence 13, Appl
262	13.2	45.5	27	12	US-10-632-983-4	Sequence 4, Appl	335	13.2	45.5	27	14	US-10-135-839-19	Sequence 19, Appl
263	13.2	45.5	27	12	US-10-464-469-7	Sequence 7, Appl	336	13.2	45.5	27	14	US-10-160-162-4	Sequence 4, Appl
264	13.2	45.5	27	12	US-10-411-120-99	Sequence 99, Appl	337	13.2	45.5	27	14	US-10-411-224-4	Sequence 4, Appl
265	13.2	45.5	27	13	US-10-153-064-28	Sequence 28, Appl	338	13.2	45.5	27	14	US-10-263-130-24	Sequence 24, Appl
266	13.2	45.5	27	13	US-10-057-951-19	Sequence 19, Appl	339	13.2	45.5	27	14	US-10-222-029-4	Sequence 4, Appl
267	13.2	45.5	27	13	US-10-042-141-4	Sequence 4, Appl	340	13.2	45.5	27	14	US-10-231-417-4	Sequence 4, Appl
268	13.2	45.5	27	13	US-10-078-059-7	Sequence 7, Appl	341	13.2	45.5	27	14	US-10-394-015-20	Sequence 20, Appl
269	13.2	45.5	27	14	US-10-125-451-24	Sequence 24, Appl	342	13.2	45.5	27	14	US-10-394-015-26	Sequence 26, Appl
270	13.2	45.5	27	14	US-10-062-523-7	Sequence 7, Appl	343	13.2	45.5	27	14	US-10-277-726A-19	Sequence 19, Appl
271	13.2	45.5	27	14	US-10-023-896-4	Sequence 4, Appl	344	13.2	45.5	27	14	US-10-277-726A-25	Sequence 25, Appl
272	13.2	45.5	27	14	US-10-079-900-4	Sequence 4, Appl	345	13.2	45.5	27	14	US-10-418-064-7	Sequence 7, Appl
273	13.2	45.5	27	14	US-10-091-526-4	Sequence 4, Appl	346	13.2	45.5	27	14	US-10-397-282-16	Sequence 16, Appl
274	13.2	45.5	27	14	US-10-012-542-4	Sequence 4, Appl	347	13.2	45.5	27	14	US-10-397-282-22	Sequence 22, Appl
275	13.2	45.5	27	14	US-10-073-865-4	Sequence 4, Appl	348	13.2	45.5	27	14	US-10-277-802-4	Sequence 4, Appl
276	13.2	45.5	27	14	US-10-073-973-4	Sequence 4, Appl	349	13.2	45.5	27	14	US-10-341-344-12	Sequence 12, Appl
277	13.2	45.5	27	14	US-10-080-110-4	Sequence 4, Appl	350	13.2	45.5	27	14	US-10-341-344-18	Sequence 18, Appl
278	13.2	45.5	27	14	US-10-091-483-4	Sequence 4, Appl	351	13.2	45.5	27	14	US-10-112-857-19	Sequence 19, Appl
279	13.2	45.5	27	14	US-10-092-256-4	Sequence 4, Appl	352	13.2	45.5	27	14	US-10-112-857-19	Sequence 7, Appl
280	13.2	45.5	27	14	US-10-091-548-4	Sequence 4, Appl	353	13.2	45.5	27	14	US-10-156-028-7	Sequence 4, Appl
281	13.2	45.5	27	14	US-10-050-704-4	Sequence 4, Appl	354	13.2	45.5	27	14	US-10-062-599-4	Sequence 4, Appl
282	13.2	45.5	27	14	US-10-054-976-7	Sequence 7, Appl	355	13.2	45.5	27	14	US-10-080-254-4	Sequence 4, Appl
283	13.2	45.5	27	14	US-10-079-854-4	Sequence 4, Appl	356	13.2	45.5	27	15	US-10-068-556-8	Sequence 8, Appl
284	13.2	45.5	27	14	US-10-091-572-4	Sequence 4, Appl	357	13.2	45.5	27	15	US-10-216-464-4	Sequence 4, Appl
285	13.2	45.5	27	14	US-10-092-154-4	Sequence 4, Appl	358	13.2	45.5	27	15	US-10-455-366-15	Sequence 15, Appl
286	13.2	45.5	27	14	US-10-102-627-4	Sequence 4, Appl	359	13.2	45.5	27	15	US-10-455-366-21	Sequence 21, Appl
287	13.2	45.5	27	14	US-10-116-016-4	Sequence 4, Appl	360	13.2	45.5	27	15	US-10-212-872-4	Sequence 4, Appl
288	13.2	45.5	27	14	US-10-072-349-4	Sequence 4, Appl	361	13.2	45.5	27	15	US-10-158-034-4	Sequence 4, Appl
289	13.2	45.5	27	14	US-10-102-806-840	Sequence 840, App	362	13.2	45.5	27	15	US-10-266-829-4	Sequence 4, Appl
290	13.2	45.5	27	14	US-10-097-063-4	Sequence 4, Appl	363	13.2	45.5	27	15	US-10-074-024-4	Sequence 4, Appl
291	13.2	45.5	27	14	US-10-125-540-4	Sequence 4, Appl	364	13.2	45.5	27	15	US-10-242-355-4	Sequence 4, Appl
292	13.2	45.5	27	14	US-10-125-540-541	Sequence 541, App	365	13.2	45.5	27	15	US-10-242-355-4	Sequence 4, Appl
293	13.2	45.5	27	14	US-10-125-540-542	Sequence 542, App	366	13.2	45.5	27	15	US-10-047-021-4	Sequence 4, Appl
294	13.2	45.5	27	14	US-10-091-504-4	Sequence 4, Appl	367	13.2	45.5	27	15	US-10-227-577-4	Sequence 4, Appl
295	13.2	45.5	27	14	US-10-091-458-4	Sequence 4, Appl	368	13.2	45.5	27	15	US-10-242-747-4	Sequence 4, Appl
296	13.2	45.5	27	14	US-10-144-929-4	Sequence 4, Appl	369	13.2	45.5	27	15	US-10-264-049-4	Sequence 4, Appl
297	13.2	45.5	27	14	US-10-143-090-4	Sequence 4, Appl	370	13.2	45.5	27	15	US-10-191-254-4	Sequence 4, Appl
298	13.2	45.5	27	14	US-10-073-961-4	Sequence 4, Appl	371	13.2	45.5	27	15	US-10-242-315-4	Sequence 4, Appl
299	13.2	45.5	27	14	US-10-091-438-4	Sequence 4, Appl	372	13.2	45.5	27	15	US-10-264-237-4	Sequence 4, Appl
300	13.2	45.5	27	14	US-10-091-438-233	Sequence 233, App	373	13.2	45.5	27	15	US-10-333-900-4	Sequence 4, Appl
301	13.2	45.5	27	14	US-10-091-438-234	Sequence 234, App	374	13.2	45.5	27	15	US-10-158-057-4	Sequence 4, Appl
302	13.2	45.5	27	14	US-10-074-095-4	Sequence 4, Appl	375	13.2	45.5	27	15	US-10-445-889A-7	Sequence 7, Appl
303	13.2	45.5	27	14	US-10-150-111-4	Sequence 4, Appl	376	13.2	45.5	27	15	US-10-144-929-4	Sequence 4, Appl
304	13.2	45.5	27	14	US-10-091-391-4	Sequence 4, Appl	377	13.2	45.5	27	16	US-10-373-809-4	Sequence 4, Appl
305	13.2	45.5	27	14	US-10-091-391-63	Sequence 63, Appl	378	13.2	45.5	27	16	US-10-443-622-4	Sequence 4, Appl
306	13.2	45.5	27	14	US-10-103-313-4	Sequence 4, Appl	379	13.2	45.5	27	16	US-10-621-363-4	Sequence 4, Appl
307	13.2	45.5	27	14	US-10-036-542-4	Sequence 4, Appl	380	13.2	45.5	29	14	US-10-336-638-781	Sequence 781, App

C 381	13.2	45.5	31	10	US-09-730-289B-3085	Sequence 3085, Ap	C 454	12.8	44.1	31	14	US-10-238-700-1539	Sequence 1539, Ap
C 382	13.2	45.5	31	10	US-09-740-332-7097	Sequence 7097, Ap	C 455	12.8	44.1	38	14	US-10-156-306-684	Sequence 684, Ap
C 383	13.2	45.5	31	10	US-09-817-879-7097	Sequence 7097, Ap	C 456	12.8	44.1	38	14	US-10-156-306-1152	Sequence 1152, Ap
C 384	13.2	45.5	31	12	US-09-927-046-4306	Sequence 4306, Ap	C 457	12.8	44.1	38	14	US-10-156-306-1224	Sequence 1224, Ap
C 385	13.2	45.5	31	12	US-09-927-046-4546	Sequence 4546, Ap	C 458	12.8	44.1	39	14	US-10-116-519-18	Sequence 18, Appl
C 386	13.2	45.5	37	15	US-10-349-143-2842	Sequence 2842, Ap	C 459	12.8	44.1	39	9	US-09-943-723-119	Sequence 119, Appl
C 387	13.2	45.5	60	10	US-09-908-975-8677	Sequence 8677, Ap	C 460	12.8	44.1	42	12	US-10-027-632-52812	Sequence 52812, A
C 388	13.2	45.5	60	10	US-09-908-975-13940	Sequence 13940, A	C 461	12.8	44.1	42	15	US-10-027-632-52812	Sequence 52812, A
C 389	13.2	45.5	60	10	US-09-908-975-15109	Sequence 15109, A	C 462	12.8	44.1	45	10	US-09-993-346-130	Sequence 130, Appl
C 390	13.2	45.5	65	10	US-09-908-975-571	Sequence 571, Appl	C 463	12.8	44.1	45	10	US-09-993-346-342	Sequence 342, Appl
C 391	13.2	45.5	65	10	US-09-908-975-2866	Sequence 2866, Ap	C 464	12.8	44.1	47	15	US-10-349-143-686	Sequence 686, Appl
C 392	13.2	45.5	65	10	US-09-908-975-29766	Sequence 29766, A	C 465	12.8	44.1	48	15	US-10-349-143-1097	Sequence 1097, Ap
C 393	13.2	45.5	65	14	US-10-032-585-3637	Sequence 3637, Ap	C 466	12.8	44.1	48	15	US-10-401-530-73	Sequence 73, Appl
C 394	13	44.8	24	9	US-09-981-356-6	Sequence 6, Appli	C 467	12.8	44.1	50	10	US-09-993-346-343	Sequence 343, Appl
C 395	13	44.8	25	10	US-09-940-185-4466	Sequence 4466, Ap	C 468	12.8	44.1	50	15	US-10-131-827-737	Sequence 737, Appl
C 396	13	44.8	25	14	US-10-088-263B-30439	Sequence 30439, A	C 469	12.8	44.1	54	14	US-10-235-175-27	Sequence 27, Appl
C 397	13	44.8	38	10	US-09-780-533A-4231	Sequence 4231, Ap	C 470	12.8	44.1	57	14	US-10-242-549-31	Sequence 31, Appl
C 398	13	44.8	50	15	US-10-131-827-5320	Sequence 5320, Ap	C 471	12.8	44.1	60	10	US-09-908-975-6411	Sequence 6411, Ap
C 399	13	44.8	50	15	US-10-131-827-7651	Sequence 7651, Ap	C 472	12.8	44.1	60	10	US-09-908-975-9611	Sequence 9611, Ap
C 400	13	44.8	51	15	US-10-215-272-53	Sequence 53, Appl	C 473	12.8	44.1	60	10	US-09-908-975-14125	Sequence 14125, A
C 401	13	44.8	54	10	US-09-900-345A-180	Sequence 180, Appl	C 474	12.8	44.1	60	10	US-09-908-975-14420	Sequence 14420, A
C 402	13	44.8	54	14	US-10-305-765-214	Sequence 214, Appl	C 475	12.8	44.1	60	10	US-09-908-975-14420	Sequence 14420, A
C 403	13	44.8	54	14	US-10-305-765-214	Sequence 214, Appl	C 476	12.8	44.1	60	10	US-09-908-975-16164	Sequence 16164, A
C 404	13	44.8	60	10	US-09-908-975-8896	Sequence 8896, Ap	C 477	12.8	44.1	60	10	US-09-908-975-17070	Sequence 17070, A
C 405	13	44.8	60	10	US-09-908-975-18316	Sequence 18316, A	C 478	12.8	44.1	60	10	US-09-908-975-19762	Sequence 19762, A
C 406	13	44.8	60	10	US-09-908-975-18435	Sequence 18435, A	C 479	12.8	44.1	65	10	US-09-908-975-20875	Sequence 20875, A
C 407	13	44.8	60	10	US-09-908-975-19571	Sequence 19571, A	C 480	12.8	44.1	65	10	US-09-908-975-1254	Sequence 1254, Ap
C 408	13	44.8	62	15	US-10-387-387-1	Sequence 1, Appli	C 481	12.8	44.1	65	10	US-09-908-975-25178	Sequence 25178, A
C 409	13	44.8	65	10	US-09-908-975-1897	Sequence 1897, Ap	C 482	12.8	44.1	65	10	US-09-908-975-27869	Sequence 27869, A
C 410	13	44.8	65	10	US-09-908-975-28136	Sequence 28136, A	C 483	12.8	44.1	65	14	US-10-032-585-99	Sequence 99, Appl
C 411	13	44.8	65	10	US-09-908-975-28217	Sequence 28217, A	C 484	12.8	44.1	65	14	US-10-032-585-583	Sequence 583, Appl
C 412	13	44.8	65	10	US-09-908-975-28394	Sequence 28394, A	C 485	12.8	44.1	65	14	US-10-032-585-1021	Sequence 1021, Ap
C 413	13	44.8	65	10	US-09-908-975-28394	Sequence 28394, A	C 486	12.8	44.1	65	14	US-10-032-585-1191	Sequence 1191, Ap
C 414	13	44.8	65	10	US-09-908-975-29506	Sequence 29506, A	C 487	12.8	44.1	65	14	US-10-032-585-2110	Sequence 2110, Ap
C 415	13	44.8	65	10	US-09-908-975-30287	Sequence 30287, A	C 488	12.8	44.1	65	14	US-10-032-585-2110	Sequence 2110, Ap
C 416	13	44.8	65	10	US-09-908-975-30297	Sequence 30297, A	C 489	12.8	44.1	68	8	US-08-781-986A-2762	Sequence 2762, Ap
C 417	13	44.8	65	14	US-10-032-585-210	Sequence 210, Appl	C 490	12.8	44.1	68	12	US-10-329-624-2762	Sequence 2762, Ap
C 418	13	44.8	65	14	US-10-032-585-433	Sequence 433, Appl	C 491	12.8	44.1	73	12	US-10-027-632-52276	Sequence 52276, A
C 419	13	44.8	65	14	US-10-032-585-2175	Sequence 2175, Ap	C 492	12.8	44.1	73	12	US-10-027-632-52276	Sequence 52276, A
C 420	13	44.8	67	10	US-09-907-111-319	Sequence 319, Appl	C 493	12.8	44.1	78	14	US-10-029-386-19975	Sequence 19975, A
C 421	13	44.8	76	10	US-09-535-459-536	Sequence 536, Appl	C 494	12.8	44.1	79	9	US-09-876-082-67	Sequence 67, Appl
C 422	13	44.8	77	9	US-09-738-968-9	Sequence 9, Appli	C 495	12.8	44.1	79	10	US-09-875-082-67	Sequence 67, Appl
C 423	13	44.8	77	9	US-09-738-968-10	Sequence 10, Appl	C 496	12.8	44.1	79	10	US-09-949-437-19	Sequence 19, Appl
C 424	13	44.8	78	9	US-09-158-120A-40	Sequence 40, Appl	C 497	12.8	44.1	21	12	US-09-949-437-19	Sequence 19, Appl
C 425	12.8	44.1	17	9	US-09-827-998-282	Sequence 282, Ap	C 498	12.8	44.1	21	12	US-09-940-185-1437	Sequence 1437, Ap
C 426	12.8	44.1	17	9	US-09-827-998-284	Sequence 284, Appl	C 499	12.8	44.1	24	10	US-09-940-185-1437	Sequence 1437, Ap
C 427	12.8	44.1	17	12	US-10-675-685-282	Sequence 282, Appl	C 500	12.8	44.1	24	10	US-10-215-112-12519	Sequence 12519, A
C 428	12.8	44.1	17	12	US-10-675-685-284	Sequence 284, Appl	C 501	12.8	44.1	25	14	US-10-215-112-12645	Sequence 12645, A
C 429	12.8	44.1	17	12	US-10-349-143-5466	Sequence 5466, Ap	C 502	12.8	44.1	25	14	US-10-098-263B-29784	Sequence 29784, A
C 430	12.8	44.1	24	9	US-09-250-611-23	Sequence 23, Appl	C 503	12.8	44.1	26	14	US-10-287-919-545	Sequence 545, Appl
C 431	12.8	44.1	25	9	US-09-868-108-3196	Sequence 3196, Ap	C 504	12.8	44.1	29	15	US-10-607-903-4	Sequence 30, Appl
C 432	12.8	44.1	25	9	US-09-868-108-3197	Sequence 3197, Ap	C 505	12.8	44.1	29	15	US-10-607-903-4	Sequence 30, Appl
C 433	12.8	44.1	25	9	US-09-827-998-1107	Sequence 1107, Ap	C 506	12.8	44.1	30	12	US-09-920-848-14	Sequence 14, Appl
C 434	12.8	44.1	25	9	US-09-872-462-286	Sequence 286, Appl	C 507	12.8	44.1	30	14	US-10-219-135-11	Sequence 11, Appl
C 435	12.8	44.1	25	9	US-09-872-462-288	Sequence 288, Appl	C 508	12.8	44.1	31	9	US-09-864-783-2176	Sequence 2176, Ap
C 436	12.8	44.1	25	10	US-09-730-289B-1406	Sequence 1406, Ap	C 509	12.8	44.1	31	10	US-09-877-478-5046	Sequence 5046, Ap
C 437	12.8	44.1	25	10	US-09-730-289B-1407	Sequence 1407, Ap	C 510	12.8	44.1	31	10	US-09-740-332-5074	Sequence 5074, Ap
C 438	12.8	44.1	25	10	US-09-730-289B-3320	Sequence 3320, Ap	C 511	12.8	44.1	31	10	US-09-740-332-7066	Sequence 7066, Ap
C 439	12.8	44.1	25	10	US-09-730-289B-3321	Sequence 3321, Ap	C 512	12.8	44.1	31	10	US-09-740-332-9172	Sequence 9172, Ap
C 440	12.8	44.1	25	12	US-10-675-685-1107	Sequence 1107, Ap	C 513	12.8	44.1	31	10	US-09-817-879-5074	Sequence 5074, Ap
C 441	12.8	44.1	25	14	US-10-060-830-1049	Sequence 1049, Ap	C 514	12.8	44.1	31	10	US-09-817-879-5074	Sequence 7066, Ap
C 442	12.8	44.1	25	14	US-10-060-830-1050	Sequence 1050, Ap	C 515	12.8	44.1	31	10	US-09-817-879-5074	Sequence 7066, Ap
C 443	12.8	44.1	25	14	US-10-098-263B-43888	Sequence 43888, A	C 516	12.8	44.1	31	12	US-09-817-879-9172	Sequence 9172, Ap
C 444	12.8	44.1	25	14	US-10-098-263B-45573	Sequence 45573, A	C 517	12.8	44.1	31	12	US-09-817-879-9172	Sequence 9172, Ap
C 445	12.8	44.1	25	14	US-10-098-263B-59721	Sequence 59721, A	C 518	12.8	44.1	31	14	US-10-238-700-4023	Sequence 4023, Ap
C 446	12.8	44.1	25	14	US-10-098-263B-60349	Sequence 60349, A	C 519	12.8	44.1	31	14	US-10-238-700-4291	Sequence 4291, Ap
C 447	12.8	44.1	26	14	US-10-098-263B-717-27	Sequence 27, Appl	C 520	12.8	44.1	33	13	US-10-113-877-152	Sequence 152, Appl
C 448	12.8	44.1	26	14	US-10-033-717-27	Sequence 27, Appl	C 521	12.8	44.1	34	15	US-10-400-487-2	Sequence 2, Appli
C 449	12.8	44.1	26	14	US-10-181-157-58	Sequence 58, Appl	C 522	12.8	44.1	34	15	US-10-400-487-5	Sequence 5, Appli
C 450	12.8	44.1	30	15	US-10-431-791-7	Sequence 7, Appli	C 523	12.8	44.1	47	15	US-10-349-143-96	Sequence 96, Appl
C 451	12.8	44.1	31	9	US-09-864-785-2464	Sequence 2464, Ap	C 524	12.8	44.1	48	14	US-10-219-195-23	Sequence 23, Appl
C 452	12.8	44.1	31	10	US-09-780-533A-5387	Sequence 5387, Ap	C 525	12.8	44.1	50	15	US-10-131-827-10	Sequence 10, Appl
C 453	12.8	44.1	31	10	US-09-848-734A-7188	Sequence 7188, Ap	C 526	12.8	44.1	50	15	US-10-131-827-1313	Sequence 1313, Ap

527	12.6	43.4	50	15	US-10-131-827-3151	Sequence 3151, Ap	600	12.4	42.8	51	15	US-10-403-337-35	Sequence 35, Appl
528	12.6	43.4	60	10	US-09-908-975-5044	Sequence 5044, Ap	601	12.4	42.8	51	15	US-10-351-890-35	Sequence 35, Appl
529	12.6	43.4	60	10	US-09-908-975-8420	Sequence 8420, Ap	602	12.4	42.8	56	15	US-10-403-337-34	Sequence 34, Appl
530	12.6	43.4	60	10	US-09-908-975-14470	Sequence 14470, A	603	12.4	42.8	56	15	US-10-351-890-34	Sequence 34, Appl
531	12.6	43.4	60	10	US-09-908-975-14519	Sequence 14519, A	604	12.4	42.8	56	15	US-09-908-975-11571	Sequence 11571, A
532	12.6	43.4	60	10	US-09-908-975-14518	Sequence 14518, A	605	12.4	42.8	60	10	US-09-908-975-12133	Sequence 12133, A
533	12.6	43.4	60	10	US-09-908-975-23059	Sequence 23059, A	606	12.4	42.8	60	10	US-09-908-975-14272	Sequence 14272, A
534	12.6	43.4	61	15	US-10-125-968-108	Sequence 108, Appl	607	12.4	42.8	60	10	US-09-908-975-16551	Sequence 16551, A
535	12.6	43.4	65	10	US-09-908-975-3035	Sequence 3035, Ap	608	12.4	42.8	60	10	US-09-934-489A-34	Sequence 34, Appl
536	12.6	43.4	65	10	US-09-908-975-4580	Sequence 4580, Ap	609	12.4	42.8	64	12	US-10-027-632-58365	Sequence 58365, A
537	12.6	43.4	65	14	US-10-032-585-370	Sequence 370, Appl	610	12.4	42.8	64	15	US-10-027-632-58365	Sequence 58365, A
538	12.6	43.4	65	14	US-10-032-585-2165	Sequence 2165, Ap	611	12.4	42.8	65	9	US-09-475-674-3	Sequence 3, Appl
539	12.6	43.4	65	14	US-10-032-585-2356	Sequence 2356, Ap	612	12.4	42.8	65	10	US-09-934-489A-35	Sequence 35, Appl
540	12.6	43.4	65	10	US-09-990-099-42	Sequence 42, Appl	613	12.4	42.8	65	10	US-09-908-975-732	Sequence 732, App
541	12.6	43.4	79	12	US-10-354-983-28	Sequence 28, Appl	614	12.4	42.8	65	10	US-09-908-975-4805	Sequence 4805, Ap
542	12.6	43.4	80	15	US-10-448-250-21	Sequence 21, Appl	615	12.4	42.8	65	10	US-09-908-975-4815	Sequence 4815, Ap
543	12.4	42.8	15	9	US-09-504-311A-1191	Sequence 1191, Ap	616	12.4	42.8	65	10	US-09-908-975-26826	Sequence 26826, A
544	12.4	42.8	15	9	US-09-274-553D-1191	Sequence 1191, Ap	617	12.4	42.8	65	10	US-10-080-713-3	Sequence 3, Appl
545	12.4	42.8	22	12	US-10-663-241-45	Sequence 45, Appl	618	12.4	42.8	65	14	US-10-032-585-374	Sequence 374, App
546	12.4	42.8	23	14	US-10-002-623-108	Sequence 108, Appl	619	12.4	42.8	65	14	US-10-032-585-583	Sequence 583, App
547	12.4	42.8	23	14	US-10-002-623-135	Sequence 135, Appl	620	12.4	42.8	65	14	US-10-032-585-2724	Sequence 2724, Ap
548	12.4	42.8	23	14	US-10-091-281-380	Sequence 380, Appl	621	12.4	42.8	65	14	US-10-032-585-3535	Sequence 3535, Ap
549	12.4	42.8	24	9	US-09-755-830-18	Sequence 18, Appl	622	12.4	42.8	65	14	US-10-032-585-3546	Sequence 3546, Ap
550	12.4	42.8	24	9	US-09-804-717A-31	Sequence 31, Appl	623	12.4	42.8	69	14	US-10-106-698-3906	Sequence 3906, Ap
551	12.4	42.8	24	12	US-09-804-717A-31	Sequence 31, Appl	624	12.4	42.8	70	14	US-10-077-319-179	Sequence 179, App
552	12.4	42.8	25	9	US-09-761-042A-2	Sequence 2, Appl	625	12.4	42.8	80	15	US-10-448-250-78	Sequence 78, Appl
553	12.4	42.8	25	9	US-09-872-462-289	Sequence 289, Appl	626	12.4	42.8	80	15	US-09-827-998-281	Sequence 281, App
554	12.4	42.8	25	9	US-09-872-462-290	Sequence 290, Appl	627	12.2	42.1	17	9	US-10-675-685-281	Sequence 281, App
555	12.4	42.8	25	14	US-10-098-263B-42204	Sequence 42204, A	628	12.2	42.1	17	12	US-10-675-685-281	Sequence 281, App
556	12.4	42.8	25	14	US-10-098-263B-54808	Sequence 54808, A	629	12.2	42.1	20	12	US-10-376-323-69	Sequence 69, Appl
557	12.4	42.8	25	14	US-10-098-263B-82394	Sequence 82394, A	630	12.2	42.1	20	12	US-10-301-789-1	Sequence 1, Appl
558	12.4	42.8	25	14	US-10-098-263B-94772	Sequence 94772, A	631	12.2	42.1	24	10	US-09-957-005-14	Sequence 14, Appl
559	12.4	42.8	25	14	US-10-098-263B-94998	Sequence 94998, A	632	12.2	42.1	25	9	US-09-827-998-1096	Sequence 1096, Ap
560	12.4	42.8	25	12	US-10-098-263B-123996	Sequence 123996, A	633	12.2	42.1	25	12	US-10-675-685-1096	Sequence 1096, Ap
561	12.4	42.8	27	12	US-10-146-356-6	Sequence 6, Appl	634	12.2	42.1	25	14	US-10-215-112-14069	Sequence 14069, A
562	12.4	42.8	29	9	US-09-863-040-49	Sequence 49, Appl	635	12.2	42.1	25	14	US-10-098-263B-8810	Sequence 8810, Ap
563	12.4	42.8	29	14	US-10-336-638-690	Sequence 690, Appl	636	12.2	42.1	25	14	US-10-098-263B-18902	Sequence 18902, A
564	12.4	42.8	29	15	US-10-454-210-49	Sequence 49, Appl	637	12.2	42.1	25	14	US-10-098-263B-31708	Sequence 31708, A
565	12.4	42.8	30	12	US-10-072-012-913	Sequence 913, Appl	638	12.2	42.1	25	14	US-10-098-263B-47338	Sequence 47338, A
566	12.4	42.8	30	12	US-10-072-012-923	Sequence 923, Appl	639	12.2	42.1	25	14	US-10-098-263B-65119	Sequence 65119, A
567	12.4	42.8	31	10	US-09-848-754A-7134	Sequence 7134, Ap	640	12.2	42.1	25	14	US-10-098-263B-77078	Sequence 77078, A
568	12.4	42.8	31	10	US-09-848-754A-7683	Sequence 7683, Ap	641	12.2	42.1	25	14	US-10-098-263B-82360	Sequence 82360, A
569	12.4	42.8	31	14	US-10-163-552-1614	Sequence 1614, Ap	642	12.2	42.1	25	14	US-10-098-263B-95641	Sequence 95641, A
570	12.4	42.8	31	14	US-10-238-700-2175	Sequence 2175, Ap	643	12.2	42.1	25	14	US-10-098-263B-96618	Sequence 96618, A
571	12.4	42.8	33	9	US-09-871-961-16	Sequence 16, Appl	644	12.2	42.1	25	14	US-10-098-263B-128071	Sequence 128071, A
572	12.4	42.8	33	9	US-09-871-961-17	Sequence 17, Appl	645	12.2	42.1	25	14	US-10-098-263B-128072	Sequence 128072, A
573	12.4	42.8	38	10	US-09-908-744-29	Sequence 29, Appl	646	12.2	42.1	25	14	US-10-267-922-6	Sequence 6, Appl
574	12.4	42.8	38	10	US-09-780-164-1389	Sequence 1389, Ap	647	12.2	42.1	27	9	US-09-823-936-33	Sequence 33, Appl
575	12.4	42.8	38	14	US-10-156-306-685	Sequence 685, Appl	648	12.2	42.1	27	12	US-10-128-510-10	Sequence 10, Appl
576	12.4	42.8	38	14	US-10-156-306-1153	Sequence 1153, Ap	649	12.2	42.1	27	13	US-10-128-510-10	Sequence 10, Appl
577	12.4	42.8	39	9	US-09-871-961-28	Sequence 28, Appl	650	12.2	42.1	27	14	US-10-193-142-10	Sequence 10, Appl
578	12.4	42.8	39	9	US-09-871-961-29	Sequence 29, Appl	651	12.2	42.1	27	14	US-10-134-493-10	Sequence 10, Appl
579	12.4	42.8	39	12	US-09-842-776A-33	Sequence 33, Appl	652	12.2	42.1	27	14	US-10-061-216-10	Sequence 10, Appl
580	12.4	42.8	39	14	US-10-123-101-1	Sequence 1, Appl	653	12.2	42.1	29	14	US-10-286-140-33	Sequence 33, Appl
581	12.4	42.8	39	15	US-10-292-896-78	Sequence 78, Appl	654	12.2	42.1	31	9	US-10-296-995-28	Sequence 28, Appl
582	12.4	42.8	39	15	US-10-310-734-1	Sequence 1, Appl	655	12.2	42.1	31	10	US-09-982-704-10	Sequence 10, Appl
583	12.4	42.8	42	14	US-10-617-334-60	Sequence 60, Appl	656	12.2	42.1	31	10	US-09-730-289B-3259	Sequence 3259, Ap
584	12.4	42.8	42	14	US-10-097-111-5	Sequence 50, Appl	657	12.2	42.1	31	10	US-09-780-533A-5410	Sequence 5410, Ap
585	12.4	42.8	42	15	US-10-452-510-60	Sequence 60, Appl	658	12.2	42.1	31	10	US-09-848-754A-6631	Sequence 6631, Ap
586	12.4	42.8	43	14	US-10-032-585-1688	Sequence 1688, Ap	659	12.2	42.1	31	10	US-09-776-474-2481	Sequence 2481, Ap
587	12.4	42.8	43	14	US-10-032-585-1876	Sequence 1876, Ap	660	12.2	42.1	31	10	US-09-792-818-1815	Sequence 1815, Ap
588	12.4	42.8	45	9	US-09-871-961-22	Sequence 22, Appl	661	12.2	42.1	31	14	US-10-163-552-1028	Sequence 1028, Ap
589	12.4	42.8	45	9	US-09-871-961-23	Sequence 23, Appl	662	12.2	42.1	31	14	US-10-163-552-1755	Sequence 1755, Ap
590	12.4	42.8	47	15	US-10-349-143-415	Sequence 415, Appl	663	12.2	42.1	31	14	US-10-163-552-1868	Sequence 1868, Ap
591	12.4	42.8	47	15	US-10-349-143-1135	Sequence 1135, Ap	664	12.2	42.1	31	14	US-10-156-306-3358	Sequence 3358, Ap
592	12.4	42.8	47	15	US-10-349-143-2347	Sequence 2347, Ap	665	12.2	42.1	31	14	US-10-238-700-1374	Sequence 1374, Ap
593	12.4	42.8	50	15	US-10-131-827-117	Sequence 117, Appl	666	12.2	42.1	31	14	US-10-238-700-1738	Sequence 1738, Ap
594	12.4	42.8	50	15	US-10-131-827-464	Sequence 464, Appl	667	12.2	42.1	31	14	US-10-238-700-3677	Sequence 3677, Ap
595	12.4	42.8	50	15	US-10-131-827-2246	Sequence 2246, Ap	668	12.2	42.1	31	14	US-10-238-700-4541	Sequence 4541, Ap
596	12.4	42.8	50	15	US-10-131-827-3662	Sequence 3662, Ap	669	12.2	42.1	31	14	US-10-230-006-1818	Sequence 1818, Ap
597	12.4	42.8	50	15	US-10-131-827-4571	Sequence 4571, Ap	670	12.2	42.1	35	10	US-09-866-077-1	Sequence 1, Appl
598	12.4	42.8	51	9	US-09-871-961-13	Sequence 13, Appl	671	12.2	42.1	36	9	US-09-760-574-51	Sequence 51, Appl
599	12.4	42.8	51	9	US-09-871-961-14	Sequence 14, Appl	672	12.2	42.1	36	10	US-09-766-442A-51	Sequence 51, Appl

673	12.2	42.1	36	14	US-10-010-160-39	Sequence 39, Appl	746	12	41.4	25	14	US-10-098-263B-6886	Sequence 6886, Ap
674	12.2	42.1	36	15	US-10-368-879-51	Sequence 51, Appl	747	12	41.4	25	14	US-10-098-263B-17366	Sequence 17366, A
675	12.2	42.1	37	12	US-10-190-394-2	Sequence 2, Appl	748	12	41.4	25	14	US-10-098-263B-51729	Sequence 51729, A
676	12.2	42.1	37	12	US-10-455-695-5	Sequence 5, Appl	749	12	41.4	25	14	US-10-098-263B-51730	Sequence 51730, A
677	12.2	42.1	38	9	US-09-915-182-4	Sequence 4, Appl	750	12	41.4	25	14	US-10-098-263B-51731	Sequence 51731, A
678	12.2	42.1	38	12	US-10-167-603C-18	Sequence 18, Appl	751	12	41.4	25	14	US-10-098-263B-71431	Sequence 71431, A
679	12.2	42.1	40	12	US-10-339-674-756	Sequence 756, App	752	12	41.4	25	14	US-10-098-263B-76879	Sequence 76879, A
680	12.2	42.1	41	14	US-10-005-956-933	Sequence 933, App	753	12	41.4	25	14	US-10-098-263B-112668	Sequence 112668, A
681	12.2	42.1	41	14	US-10-098-874-755	Sequence 755, App	754	12	41.4	25	14	US-10-098-263B-120916	Sequence 120916, A
682	12.2	42.1	44	12	US-10-339-674-754	Sequence 754, App	755	12	41.4	25	14	US-10-195-781A-11	Sequence 11, Appl
683	12.2	42.1	44	12	US-10-339-674-3354	Sequence 3354, App	756	12	41.4	29	14	US-10-336-638-34	Sequence 34, App
684	12.2	42.1	46	12	US-10-380-584-117	Sequence 117, App	757	12	41.4	31	9	US-09-864-785-2415	Sequence 2415, App
685	12.2	42.1	46	12	US-10-294-934-500	Sequence 500, App	758	12	41.4	31	9	US-09-864-785-2490	Sequence 2490, App
686	12.2	42.1	47	12	US-10-349-143-299	Sequence 299, App	759	12	41.4	31	10	US-09-877-478-4558	Sequence 4558, Ap
687	12.2	42.1	47	15	US-10-349-143-3619	Sequence 3619, Ap	760	12	41.4	31	10	US-09-740-332-8462	Sequence 8462, Ap
688	12.2	42.1	49	9	US-09-738-847-24	Sequence 24, Appl	761	12	41.4	31	10	US-09-817-879-8462	Sequence 8462, Ap
689	12.2	42.1	49	9	US-09-943-723-56	Sequence 56, Appl	762	12	41.4	31	12	US-09-927-046-4415	Sequence 4415, Ap
690	12.2	42.1	50	15	US-10-131-827-1054	Sequence 1054, Ap	763	12	41.4	31	12	US-10-287-919-800	Sequence 800, App
691	12.2	42.1	50	15	US-10-131-827-1820	Sequence 1820, Ap	764	12	41.4	31	14	US-10-163-552-1033	Sequence 1033, Ap
692	12.2	42.1	50	15	US-10-131-827-2888	Sequence 2888, Ap	765	12	41.4	31	14	US-10-163-552-1180	Sequence 1180, Ap
693	12.2	42.1	50	15	US-10-131-827-2881	Sequence 2881, Ap	766	12	41.4	31	14	US-10-163-552-1385	Sequence 1385, Ap
694	12.2	42.1	50	15	US-10-131-827-5015	Sequence 5015, Ap	767	12	41.4	31	14	US-10-156-306-3070	Sequence 3070, Ap
695	12.2	42.1	50	15	US-10-131-827-5594	Sequence 5594, Ap	768	12	41.4	31	14	US-10-156-306-3070	Sequence 3070, Ap
696	12.2	42.1	50	15	US-10-131-827-6677	Sequence 6677, Ap	769	12	41.4	31	14	US-10-238-700-4415	Sequence 4415, Ap
697	12.2	42.1	50	15	US-10-131-827-6984	Sequence 6984, Ap	770	12	41.4	31	14	US-10-238-700-4498	Sequence 4498, Ap
698	12.2	42.1	50	15	US-10-131-827-7067	Sequence 7067, Ap	771	12	41.4	31	14	US-10-391-433-17	Sequence 17, Appl
699	12.2	42.1	51	10	US-09-951-061A-16	Sequence 16, Appl	772	12	41.4	32	12	US-09-854-867-549	Sequence 549, App
700	12.2	42.1	51	12	US-10-441-788-16	Sequence 16, Appl	773	12	41.4	33	12	US-10-442-538-99	Sequence 99, Appl
701	12.2	42.1	51	14	US-10-267-394-16	Sequence 16, Appl	774	12	41.4	33	14	US-10-421-112-10	Sequence 10, Appl
702	12.2	42.1	51	15	US-10-215-272-54	Sequence 54, Appl	775	12	41.4	34	9	US-09-923-109-4	Sequence 4, Appl
703	12.2	42.1	54	14	US-10-235-175-3	Sequence 21, Appl	776	12	41.4	34	14	US-10-164-204-4	Sequence 631, App
704	12.2	42.1	54	14	US-10-361-524-7	Sequence 17, Appl	777	12	41.4	36	9	US-08-424-550B-631	Sequence 19, Appl
705	12.2	42.1	55	14	US-10-222-654-96	Sequence 96, Appl	778	12	41.4	36	15	US-09-396-140-19	Sequence 19, Appl
706	12.2	42.1	55	14	US-10-032-585-2041	Sequence 2041, Ap	779	12	41.4	36	15	US-10-421-138A-19	Sequence 4363, Ap
707	12.2	42.1	60	10	US-09-908-975-6726	Sequence 6726, Ap	780	12	41.4	37	10	US-09-780-533A-4363	Sequence 4405, Ap
708	12.2	42.1	60	10	US-09-908-975-9747	Sequence 9747, Ap	781	12	41.4	37	12	US-09-780-533A-4405	Sequence 3471, Ap
709	12.2	42.1	60	10	US-09-908-975-10441	Sequence 10441, A	782	12	41.4	37	12	US-09-927-046-3471	Sequence 3543, Ap
710	12.2	42.1	60	10	US-09-908-975-10447	Sequence 10447, A	783	12	41.4	37	12	US-09-927-046-3543	Sequence 3639, Ap
711	12.2	42.1	60	10	US-09-908-975-12046	Sequence 12046, A	784	12	41.4	38	12	US-09-877-478-3639	Sequence 18, Appl
712	12.2	42.1	60	10	US-09-908-975-14431	Sequence 14431, A	785	12	41.4	38	12	US-10-670-503-18	Sequence 18, Appl
713	12.2	42.1	60	10	US-09-908-975-15205	Sequence 15205, A	786	12	41.4	38	12	US-10-342-908-3639	Sequence 3639, Ap
714	12.2	42.1	60	10	US-09-908-975-15340	Sequence 15340, A	787	12	41.4	38	14	US-10-156-306-2139	Sequence 2139, Ap
715	12.2	42.1	60	10	US-09-908-975-17626	Sequence 17626, A	788	12	41.4	38	14	US-10-402-954-29	Sequence 29, Appl
716	12.2	42.1	60	10	US-09-908-975-19865	Sequence 19865, A	789	12	41.4	38	14	US-10-230-008-890	Sequence 890, App
717	12.2	42.1	60	10	US-09-908-975-21215	Sequence 21215, A	790	12	41.4	39	15	US-10-027-632-58442	Sequence 58442, A
718	12.2	42.1	60	10	US-09-908-975-2424	Sequence 2424, A	791	12	41.4	39	15	US-10-027-632-58442	Sequence 58442, A
719	12.2	42.1	60	10	US-09-908-975-31586	Sequence 31586, A	792	12	41.4	40	9	US-09-887-880-17	Sequence 17, Appl
720	12.2	42.1	63	15	US-10-283-599-262	Sequence 262, App	793	12	41.4	41	10	US-09-852-385-2	Sequence 2, Appl
721	12.2	42.1	65	10	US-09-908-975-2829	Sequence 2829, Ap	794	12	41.4	41	14	US-10-225-938-51	Sequence 51, Appl
722	12.2	42.1	65	10	US-09-908-975-3476	Sequence 3476, Ap	795	12	41.4	42	14	US-10-218-567-31	Sequence 31, Appl
723	12.2	42.1	65	10	US-09-908-975-25851	Sequence 25851, A	796	12	41.4	44	14	US-10-218-567-30	Sequence 30, Appl
724	12.2	42.1	65	10	US-09-908-975-25876	Sequence 25876, A	797	12	41.4	44	14	US-10-122-706-10	Sequence 10, Appl
725	12.2	42.1	65	10	US-09-908-975-28208	Sequence 28208, A	798	12	41.4	45	14	US-09-901-484A-214	Sequence 214, App
726	12.2	42.1	65	10	US-09-908-975-31114	Sequence 31114, A	799	12	41.4	47	9	US-09-953-526-214	Sequence 214, App
727	12.2	42.1	65	10	US-09-908-975-31230	Sequence 31230, A	800	12	41.4	47	12	US-10-333-423-155	Sequence 155, App
728	12.2	42.1	65	14	US-10-032-585-463	Sequence 463, App	801	12	41.4	47	15	US-10-349-143-59	Sequence 59, Appl
729	12.2	42.1	65	14	US-10-032-585-2257	Sequence 2257, Ap	802	12	41.4	47	15	US-10-349-143-1485	Sequence 1485, Ap
730	12.2	42.1	65	14	US-10-032-585-3335	Sequence 3335, Ap	803	12	41.4	47	15	US-10-349-143-3352	Sequence 3352, Ap
731	12.2	42.1	69	15	US-10-455-695-7	Sequence 7, Appl	804	12	41.4	48	10	US-09-993-346-191	Sequence 191, App
732	12.2	42.1	70	10	US-09-907-111-142	Sequence 142, App	805	12	41.4	50	10	US-09-993-346-466	Sequence 466, App
733	12.2	42.1	78	14	US-10-035-978A-22	Sequence 22, Appl	806	12	41.4	50	14	US-10-068-664A-23	Sequence 23, Appl
734	12.2	42.1	78	14	US-10-056-908-26	Sequence 26, Appl	807	12	41.4	50	15	US-10-131-827-1653	Sequence 1653, Ap
735	12.2	42.1	78	14	US-10-263-594-22	Sequence 22, Appl	808	12	41.4	50	15	US-10-131-827-6456	Sequence 6456, Ap
736	12.2	42.1	78	14	US-10-263-594-22	Sequence 22, Appl	809	12	41.4	50	15	US-10-131-827-6752	Sequence 6752, Ap
737	12.2	42.1	78	14	US-10-349-143-10994	Sequence 10994, A	810	12	41.4	51	10	US-10-131-827-5724	Sequence 5724, Ap
738	12.2	42.1	78	14	US-09-940-185-495	Sequence 495, App	811	12	41.4	51	10	US-09-922-223A-82	Sequence 82, Appl
739	12.2	42.1	78	14	US-10-060-830-18	Sequence 18, Appl	812	12	41.4	53	13	US-10-001-407-31	Sequence 31, Appl
740	12.2	42.1	78	14	US-10-060-830-1051	Sequence 1051, Ap	813	12	41.4	54	12	US-10-027-632-75865	Sequence 75865, A
741	12.2	42.1	78	14	US-10-060-830-1052	Sequence 1052, Ap	814	12	41.4	54	15	US-10-027-632-75865	Sequence 75865, A
742	12.2	42.1	78	14	US-10-060-830-1053	Sequence 1053, Ap	815	12	41.4	56	15	US-10-131-827-6456	Sequence 6456, Ap
743	12.2	42.1	78	14	US-10-060-830-1054	Sequence 1054, Ap	816	12	41.4	56	15	US-10-131-827-6752	Sequence 6752, Ap
744	12.2	42.1	78	14	US-10-215-112-2121	Sequence 2121, Ap	817	12	41.4	56	15	US-10-131-827-7142	Sequence 7142, Ap
745	12.2	42.1	78	14	US-10-098-263B-4879	Sequence 4879, Ap	818	12	41.4	56	15	US-10-131-827-7436	Sequence 7436, Ap
					US-10-098-263B-6885	Sequence 6885, Ap	819	12	41.4	56	15	US-10-131-827-7515	Sequence 7515, Ap

C 819	12	41.4	57	14	US-10-281-479A-96	Sequence 96, Appl	C 892	11.8	40.7	25	14	US-10-098-263B-51514	Sequence 51514, A
C 820	12	41.4	57	14	US-10-275-180A-96	Sequence 96, Appl	893	11.8	40.7	25	14	US-10-098-263B-65536	Sequence 65536, A
C 821	12	41.4	57	14	US-10-286-132A-96	Sequence 96, Appl	894	11.8	40.7	25	14	US-10-098-263B-101127	Sequence 101127, A
C 822	12	41.4	60	10	US-09-908-975-5781	Sequence 5781, Ap	895	11.8	40.7	25	14	US-10-098-263B-106777	Sequence 106777, A
C 823	12	41.4	60	10	US-09-908-975-5920	Sequence 5920, Ap	896	11.8	40.7	25	14	US-10-098-263B-107413	Sequence 107413, A
C 824	12	41.4	60	10	US-09-908-975-8591	Sequence 8591, Ap	897	11.8	40.7	25	14	US-10-098-263B-113868	Sequence 113868, A
C 825	12	41.4	60	10	US-09-908-975-8725	Sequence 8725, Ap	898	11.8	40.7	25	14	US-10-098-263B-117515	Sequence 117515, A
C 826	12	41.4	60	10	US-09-908-975-10254	Sequence 10254, A	899	11.8	40.7	25	14	US-10-098-263B-118788	Sequence 118788, A
C 827	12	41.4	60	10	US-09-908-975-11499	Sequence 11499, A	900	11.8	40.7	26	11	US-09-981-566A-127	Sequence 127, App
C 828	12	41.4	60	10	US-09-908-975-11539	Sequence 11539, A	901	11.8	40.7	26	12	US-10-336-472-188	Sequence 188, App
C 829	12	41.4	60	10	US-09-908-975-11586	Sequence 11586, A	902	11.8	40.7	26	12	US-10-447-476-9	Sequence 9, Appl
C 830	12	41.4	60	10	US-09-908-975-11870	Sequence 12870, A	903	11.8	40.7	26	12	US-10-024-212-368	Sequence 368, App
C 831	12	41.4	60	10	US-09-908-975-13886	Sequence 13886, A	904	11.8	40.7	26	15	US-09-949-041A-51	Sequence 51, Appl
C 832	12	41.4	60	10	US-09-908-975-20070	Sequence 20070, A	905	11.8	40.7	27	10	US-10-309-290-237	Sequence 237, App
C 833	12	41.4	60	10	US-09-908-975-31395	Sequence 31395, A	906	11.8	40.7	27	15	US-10-430-194-710	Sequence 710, App
C 834	12	41.4	60	10	US-09-908-975-31646	Sequence 31646, A	907	11.8	40.7	29	15	US-09-948-491A-4	Sequence 4, Appl
C 835	12	41.4	60	10	US-09-908-975-31807	Sequence 31807, A	908	11.8	40.7	30	9	US-09-770-517C-22	Sequence 22, Appl
C 836	12	41.4	60	10	US-09-908-975-31855	Sequence 31855, A	909	11.8	40.7	30	9	US-10-335-977-100A	Sequence 10024, A
C 837	12	41.4	60	10	US-09-908-975-31988	Sequence 31988, A	910	11.8	40.7	30	12	US-10-309-290-243	Sequence 243, App
C 838	12	41.4	60	12	US-10-339-674-2484	Sequence 2484, Ap	911	11.8	40.7	30	16	US-09-426-548-29	Sequence 29, Appl
C 839	12	41.4	60	15	US-10-380-584-27	Sequence 27, Appl	912	11.8	40.7	31	9	US-09-801-274-809	Sequence 1657, Ap
C 840	12	41.4	62	14	US-10-140-545-48	Sequence 48, Appl	913	11.8	40.7	31	9	US-09-801-274-1697	Sequence 1697, Ap
C 841	12	41.4	63	14	US-10-185-425-18	Sequence 18, Appl	914	11.8	40.7	31	9	US-09-469-522-24	Sequence 24, Appl
C 842	12	41.4	65	10	US-09-908-975-1893	Sequence 99, Appl	915	11.8	40.7	31	9	US-09-864-785-2647	Sequence 2647, Ap
C 843	12	41.4	65	10	US-09-908-975-1893	Sequence 1893, Ap	916	11.8	40.7	31	9	US-09-864-785-2647	Sequence 2647, Ap
C 844	12	41.4	65	10	US-09-908-975-2848	Sequence 2848, Ap	917	11.8	40.7	31	9	US-09-730-289B-3251	Sequence 3251, Ap
C 845	12	41.4	65	10	US-09-908-975-3415	Sequence 3415, Ap	918	11.8	40.7	31	10	US-09-730-289B-3251	Sequence 3251, Ap
C 846	12	41.4	65	10	US-09-908-975-23963	Sequence 23963, A	919	11.8	40.7	31	10	US-09-740-332-4986	Sequence 4986, Ap
C 847	12	41.4	65	10	US-09-908-975-2435	Sequence 2435, A	920	11.8	40.7	31	10	US-09-740-332-5270	Sequence 5270, Ap
C 848	12	41.4	65	10	US-09-908-975-26587	Sequence 26587, A	921	11.8	40.7	31	10	US-09-740-332-5270	Sequence 5270, Ap
C 849	12	41.4	65	10	US-09-908-975-28083	Sequence 28083, A	922	11.8	40.7	31	10	US-09-740-332-5270	Sequence 5270, Ap
C 850	12	41.4	65	10	US-09-908-975-28906	Sequence 28906, A	923	11.8	40.7	31	10	US-09-740-332-5270	Sequence 5270, Ap
C 851	12	41.4	65	10	US-09-908-975-29245	Sequence 29245, A	924	11.8	40.7	31	10	US-09-740-332-5270	Sequence 5270, Ap
C 852	12	41.4	65	10	US-09-908-975-30802	Sequence 30802, A	925	11.8	40.7	31	10	US-09-817-879-5828	Sequence 5828, Ap
C 853	12	41.4	65	14	US-10-032-585-458	Sequence 458, App	926	11.8	40.7	31	10	US-09-817-879-5828	Sequence 5828, Ap
C 854	12	41.4	65	14	US-10-243-576-7	Sequence 7, Appl	927	11.8	40.7	31	10	US-09-817-879-5828	Sequence 5828, Ap
C 855	12	41.4	70	10	US-09-507-111-126	Sequence 126, App	928	11.8	40.7	31	14	US-10-238-700-1822	Sequence 1822, Ap
C 856	12	41.4	72	12	US-10-670-503-12	Sequence 12, Appl	929	11.8	40.7	32	9	US-09-843-846-16	Sequence 16, Appl
C 857	12	41.4	73	15	US-10-633-279-8	Sequence 8, Appl	930	11.8	40.7	32	9	US-09-811-093-8	Sequence 8, Appl
C 858	12	41.4	73	15	US-10-182-230-51	Sequence 51, Appl	931	11.8	40.7	32	9	US-09-948-491A-2	Sequence 2, Appl
C 859	12	41.4	74	12	US-10-633-279-11	Sequence 11, Appl	932	11.8	40.7	34	14	US-10-214-419-12	Sequence 12, Appl
C 860	12	41.4	76	10	US-09-535-459-485	Sequence 485, App	933	11.8	40.7	34	14	US-10-045-428A-16	Sequence 16, Appl
C 861	12	41.4	78	15	US-10-448-250-67	Sequence 67, Appl	934	11.8	40.7	35	13	US-10-440-850-1450	Sequence 1450, Ap
C 862	12	41.4	80	12	US-10-388-360-270	Sequence 270, App	935	11.8	40.7	36	15	US-10-440-850-1450	Sequence 1450, Ap
C 863	11.8	40.7	17	9	US-09-827-998-285	Sequence 285, App	936	11.8	40.7	38	10	US-09-780-533A-3413	Sequence 3413, Ap
C 864	11.8	40.7	17	10	US-09-780-533A-458	Sequence 458, App	937	11.8	40.7	38	10	US-09-780-533A-3413	Sequence 3413, Ap
C 865	11.8	40.7	17	10	US-09-780-533A-1316	Sequence 1316, Ap	938	11.8	40.7	38	10	US-09-877-478-2945	Sequence 2945, Ap
C 866	11.8	40.7	17	12	US-10-675-685-285	Sequence 285, App	939	11.8	40.7	38	10	US-09-877-478-2945	Sequence 2945, Ap
C 867	11.8	40.7	17	14	US-10-156-306-44	Sequence 44, Appl	940	11.8	40.7	38	10	US-09-930-423-2694	Sequence 2694, Ap
C 868	11.8	40.7	17	14	US-10-156-306-45	Sequence 45, Appl	941	11.8	40.7	38	10	US-09-930-423-2694	Sequence 2694, Ap
C 869	11.8	40.7	17	14	US-10-156-306-46	Sequence 46, Appl	942	11.8	40.7	38	12	US-10-342-902-2945	Sequence 2945, Ap
C 870	11.8	40.7	17	14	US-10-357-488-15	Sequence 15, Appl	943	11.8	40.7	38	12	US-10-342-902-2945	Sequence 2945, Ap
C 871	11.8	40.7	20	14	US-10-317-449-45	Sequence 45, Appl	944	11.8	40.7	38	12	US-10-342-902-2945	Sequence 2945, Ap
C 872	11.8	40.7	20	15	US-10-159-856-78	Sequence 78, Appl	945	11.8	40.7	38	15	US-10-424-233-66	Sequence 66, Appl
C 873	11.8	40.7	23	14	US-10-254-676-24	Sequence 24, Appl	946	11.8	40.7	39	14	US-10-194-405-2	Sequence 2, Appl
C 874	11.8	40.7	23	14	US-10-128-560-115	Sequence 115, App	947	11.8	40.7	41	12	US-10-027-632-58537	Sequence 58537, A
C 875	11.8	40.7	24	14	US-10-324-618-58	Sequence 58, Appl	948	11.8	40.7	41	15	US-10-027-632-58537	Sequence 58537, A
C 876	11.8	40.7	25	9	US-09-866-108-3195	Sequence 3195, Ap	949	11.8	40.7	42	15	US-10-027-632-58537	Sequence 58537, A
C 877	11.8	40.7	25	9	US-09-866-108-3198	Sequence 3198, Ap	950	11.8	40.7	42	15	US-10-027-632-58537	Sequence 58537, A
C 878	11.8	40.7	25	9	US-09-827-998-1108	Sequence 1108, Ap	951	11.8	40.7	42	15	US-10-027-632-58537	Sequence 58537, A
C 879	11.8	40.7	25	9	US-09-827-998-1108	Sequence 1108, Ap	952	11.8	40.7	42	15	US-10-027-632-58537	Sequence 58537, A
C 880	11.8	40.7	25	9	US-09-827-998-1108	Sequence 1108, Ap	953	11.8	40.7	42	15	US-10-027-632-58537	Sequence 58537, A
C 881	11.8	40.7	25	10	US-09-754-853A-909	Sequence 909, App	954	11.8	40.7	42	15	US-10-027-632-58537	Sequence 58537, A
C 882	11.8	40.7	25	10	US-09-730-289B-1405	Sequence 1405, Ap	955	11.8	40.7	42	15	US-10-027-632-58537	Sequence 58537, A
C 883	11.8	40.7	25	10	US-09-730-289B-1408	Sequence 1408, Ap	956	11.8	40.7	42	15	US-10-027-632-58537	Sequence 58537, A
C 884	11.8	40.7	25	10	US-09-730-289B-3319	Sequence 3319, Ap	957	11.8	40.7	42	15	US-10-027-632-58537	Sequence 58537, A
C 885	11.8	40.7	25	10	US-09-730-289B-3322	Sequence 3322, Ap	958	11.8	40.7	42	15	US-10-027-632-58537	Sequence 58537, A
C 886	11.8	40.7	25	12	US-10-675-685-1108	Sequence 1108, Ap	959	11.8	40.7	42	15	US-10-027-632-58537	Sequence 58537, A
C 887	11.8	40.7	25	14	US-10-060-830-1048	Sequence 1048, Ap	960	11.8	40.7	42	15	US-10-027-632-58537	Sequence 58537, A
C 888	11.8	40.7	25	14	US-10-215-112-3183	Sequence 3183, Ap	961	11.8	40.7	42	15	US-10-027-632-58537	Sequence 58537, A
C 889	11.8	40.7	25	14	US-10-098-263B-27791	Sequence 27791, A	962	11.8	40.7	42	15	US-10-027-632-58537	Sequence 58537, A
C 890	11.8	40.7	25	14	US-10-098-263B-47747	Sequence 47747, A	963	11.8	40.7	42	15	US-10-027-632-58537	Sequence 58537, A
C 891	11.8	40.7	25	14	US-10-098-263B-49954	Sequence 49954, A	964	11.8	40.7	42	15	US-10-027-632-58537	Sequence 58537, A


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; APPLICANT: Mathialagan, Nagappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; FILE REFERENCE: 37-21(10297)C
; CURRENT APPLICATION NUMBER: US/09/983,965
; PRIOR FILING DATE: 2001-10-26
; PRIOR APPLICATION NUMBER: US 09/465,231
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: US 60/113,678
; PRIOR FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 5912
; SEQ ID NO 4754
; LENGTH: 53
; TYPE: DNA
; ORGANISM: Bos taurus
; FEATURE:
; OTHER INFORMATION: Clone ID: 18-LIB34-011-Q1-E1-E5
US-09-983-965-4754

Query Match      53.1%; Score 15.4; DB 9; Length 53;
Best Local Similarity 40.0%; Pred. No. 3.e+03;
Matches 10; Conservative 9; Mismatches 6; Indels 0; Gaps 0;

QY 5 AUUCUUUUUGAAGCCUAGGGGCU 29
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Db 28 ATTCTTGTTGGCTTCAGGGCT 52

RESULT 5
US-10-098-263B-37315
; Sequence 694, Application US/10098263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mitman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131065
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 37315
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-37315

Query Match      51.7%; Score 15; DB 14; Length 25;
Best Local Similarity 47.8%; Pred. No. 3.8e+03;
Matches 11; Conservative 7; Mismatches 5; Indels 0; Gaps 0;

QY 3 UGAUUCUUUUUGAAGCCUAGG 25
    |||:||||:||||:
Db 3 TCACACATTTTGTACGCCCTAGG 25

RESULT 6
US-10-032-585-694/c
; Sequence 694, Application US/10032585
; Publication No. US20030180953A1
; GENERAL INFORMATION:
; APPLICANT: Terry, Roemer D.
; APPLICANT: Bo, Jiang
; APPLICANT: Charles, Boone
; APPLICANT: Howard, Bussey
; TITLE OF INVENTION: Gene Disruption Methodologies for Drug Target Discovery
; FILE REFERENCE: 10182-005-999
; CURRENT APPLICATION NUMBER: US/10/032,585
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 8000
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 694

Query Match      50.3%; Score 14.6; DB 14; Length 65;
Best Local Similarity 27.6%; Pred. No. 7.4e+03;
Matches 8; Conservative 12; Mismatches 9; Indels 0; Gaps 0;
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; LENGTH: 43
; TYPE: DNA
; ORGANISM: Candida albicans
US-10-032-585-694

Query Match      51.0%; Score 14.8; DB 14; Length 43;
Best Local Similarity 38.9%; Pred. No. 5.4e+03;
Matches 7; Conservative 9; Mismatches 2; Indels 0; Gaps 0;

QY 1 UAGAUUCUUUUUGUAG 18
    |||:||||:||||:
Db 23 TATGAATCTTTTGTAG 6

RESULT 7
US-10-131-827-2022
; Sequence 2022, Application US/10131827
; Publication No. US20040009479A1
; GENERAL INFORMATION:
; APPLICANT: Wohlgemuth, Jay
; APPLICANT: Fry, Kirk
; APPLICANT: Woodward, Robert
; APPLICANT: Ly, Ngoc
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND MONITORING AUTOIMMUN
; FILE REFERENCE: 506612000120
; CURRENT APPLICATION NUMBER: US/10/131,827
; CURRENT FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: US 10/006,290
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: US 60/296,764
; PRIOR FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 9090
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2022
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-131-827-2022

Query Match      51.0%; Score 14.8; DB 15; Length 50;
Best Local Similarity 38.9%; Pred. No. 5.6e+03;
Matches 7; Conservative 9; Mismatches 2; Indels 0; Gaps 0;

QY 2 AUGAUUCUUUUUGUAGC 19
    |||:||||:||||:
Db 3 ATGATTATTTTCTAAGC 20

RESULT 8
US-10-032-585-2227/c
; Sequence 2227, Application US/10032585
; Publication No. US20030180953A1
; GENERAL INFORMATION:
; APPLICANT: Terry, Roemer D.
; APPLICANT: Bo, Jiang
; APPLICANT: Charles, Boone
; APPLICANT: Howard, Bussey
; TITLE OF INVENTION: Gene Disruption Methodologies for Drug Target Discovery
; FILE REFERENCE: 10182-005-999
; CURRENT APPLICATION NUMBER: US/10/032,585
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 8000
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2227
; LENGTH: 65
; TYPE: DNA
; ORGANISM: Candida albicans
US-10-032-585-2227

Query Match      50.3%; Score 14.6; DB 14; Length 65;
Best Local Similarity 27.6%; Pred. No. 7.4e+03;
Matches 8; Conservative 12; Mismatches 9; Indels 0; Gaps 0;
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QY 1 UAGAUUUUUUUUUAAGCCCUAGGGGCU 29
DB 57 TATTTTITTTTTTGTAAAGACTAGAACCT 29

RESULT 9
US-10-005-956-212
; Sequence 212, Application US/10005956
; Publication No. US20030113726A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
; FILE REFERENCE: D0053NP
; CURRENT APPLICATION NUMBER: US/10/005,956
; CURRENT FILING DATE: 2001-12-03
; PRIOR APPLICATION NUMBER: 60/251,015
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: 60/253,678
; PRIOR FILING DATE: 2001-01-23
; PRIOR APPLICATION NUMBER: 60/273,037
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 1579
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 212
; LENGTH: 41
; TYPE: DNA
; ORGANISM: homo sapiens
US-10-005-956-212

Query Match 49.7%; Score 14.4; DB 14; Length 41;
Best Local Similarity 50.0%; Pred. No. 8.2e+03;
Matches 12; Conservative 6; Mismatches 6; Indels 0; Gaps 0;

QY 3 UGAUUUUUUUUUAAGCCCUAGGG 26
DB 2 TGACCCCTTTTGAAGTCCCAAGT 25

RESULT 10
US-09-827-998-1098/c
; Sequence 1098, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDhMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 1098
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-1098

Query Match 49.0%; Score 14.2; DB 9; Length 25;
Best Local Similarity 42.1%; Pred. No. 9e+03;
Matches 8; Conservative 8; Mismatches 3; Indels 0; Gaps 0;

QY 7 UCUUUUUUAAGCCCUAGG 25
DB 25 TCTTTTGTAGTCCCTAAG 7

RESULT 11
US-09-827-998-1099/c
; Sequence 1099, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDhMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; CURRENT APPLICATION NUMBER: US/09/827,998
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 1099
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-1099

Query Match 49.0%; Score 14.2; DB 9; Length 25;
Best Local Similarity 42.1%; Pred. No. 9e+03;
Matches 8; Conservative 8; Mismatches 3; Indels 0; Gaps 0;

QY 7 UCUUUUUUAAGCCCUAGG 25
DB 23 TCTTTTGTAGTCCCTAAG 5

RESULT 12
US-09-827-998-1100/c
; Sequence 1100, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDhMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 1100
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-1100

Query Match 49.0%; Score 14.2; DB 9; Length 25;
Best Local Similarity 42.1%; Pred. No. 9e+03;
Matches 8; Conservative 8; Mismatches 3; Indels 0; Gaps 0;

QY 7 UCUUUUUUAAGCCCUAGG 25
DB 24 TCTTTTGTAGTCCCTAAG 6

RESULT 13
US-09-827-998-1101/c
; Sequence 1101, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDhMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
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; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1101
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-1101

Query Match
  49.0%; Score 14.2; DB 9; Length 25;
Best Local Similarity 42.1%; Pred. No. 9e+03;
Matches 8; Conservative 3; Mismatches 0; Gaps 0;

QY 7 UCUUUUGUAGCCCUAGG 25
Db 22 TCTTTTGTAGTCCCTAAG 4

RESULT 14
US-09-827-998-1102/c
; Sequence 1102, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1102
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-1102

Query Match
  49.0%; Score 14.2; DB 9; Length 25;
Best Local Similarity 42.1%; Pred. No. 9e+03;
Matches 8; Conservative 3; Mismatches 0; Gaps 0;

QY 7 UCUUUUGUAGCCCUAGG 25
Db 21 TCTTTTGTAGTCCCTAAG 3

RESULT 15
US-09-827-998-1103/c
; Sequence 1103, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1103
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-1103

Query Match
  49.0%; Score 14.2; DB 9; Length 25;
Best Local Similarity 42.1%; Pred. No. 9e+03;
Matches 8; Conservative 3; Mismatches 0; Gaps 0;

QY 7 UCUUUUGUAGCCCUAGG 25
Db 19 TCTTTTGTAGTCCCTAAG 1

RESULT 17
US-10-675-685-1098/c
; Sequence 1098, Application US/10675685
; Publication No. US20040063134A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PB0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; CURRENT FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Acomica Sequence Listing Engine
; SEQ ID NO 1098
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-675-685-1098

Query Match
  49.0%; Score 14.2; DB 12; Length 25;
Best Local Similarity 42.1%; Pred. No. 9e+03;
Matches 8; Conservative 3; Mismatches 0; Gaps 0;

QY 7 UCUUUUGUAGCCCUAGG 25
Db 19 TCTTTTGTAGTCCCTAAG 1
```

```
Db 25 TCCTTTGTAGTCCTCAAG 7

RESULT 18
US-10-675-685-1099/c
; Sequence 1099, Application US/10675685
; Publication No. US20040063134A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PB0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; PRIOR FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeonica Sequence Listing Engine
; SEQ ID NO 1099
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-675-685-1099

Query Match 49.0%; Score 14.2; DB 12; Length 25;
Best Local Similarity 42.1%; Pred. No. 9e+03;
Matches 8; Conservative 8; Mismatches 3; Indels 0; Gaps 0;

Qy 7 UCUTUUUGUAGCCCUAGG 25
Db 24 TCCTTTGTAGTCCTCAAG 6

RESULT 19
US-10-675-685-1100/c
; Sequence 1100, Application US/10675685
; Publication No. US20040063134A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PB0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; PRIOR FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeonica Sequence Listing Engine
; SEQ ID NO 1100
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-675-685-1100

Query Match 49.0%; Score 14.2; DB 12; Length 25;
Best Local Similarity 42.1%; Pred. No. 9e+03;
Matches 8; Conservative 8; Mismatches 3; Indels 0; Gaps 0;

Qy 7 UCUTUUUGUAGCCCUAGG 25
Db 21 TCCTTTGTAGTCCTCAAG 3

RESULT 20
US-10-675-685-1101/c
; Sequence 1101, Application US/10675685
; Publication No. US20040063134A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PB0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; PRIOR FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeonica Sequence Listing Engine
; SEQ ID NO 1101
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-675-685-1101

Query Match 49.0%; Score 14.2; DB 12; Length 25;
Best Local Similarity 42.1%; Pred. No. 9e+03;
Matches 8; Conservative 8; Mismatches 3; Indels 0; Gaps 0;

Qy 7 UCUTUUUGUAGCCCUAGG 25
Db 22 TCCTTTGTAGTCCTCAAG 4

RESULT 21
US-10-675-685-1102/c
; Sequence 1102, Application US/10675685
; Publication No. US20040063134A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PB0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; PRIOR FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeonica Sequence Listing Engine
; SEQ ID NO 1102
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-675-685-1102

Query Match 49.0%; Score 14.2; DB 12; Length 25;
Best Local Similarity 42.1%; Pred. No. 9e+03;
Matches 8; Conservative 8; Mismatches 3; Indels 0; Gaps 0;

Qy 7 UCUTUUUGUAGCCCUAGG 25
Db 21 TCCTTTGTAGTCCTCAAG 3

RESULT 22
US-10-675-685-1103/c
; Sequence 1103, Application US/10675685
; Publication No. US20040063134A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PB0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; PRIOR FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeonica Sequence Listing Engine
; SEQ ID NO 1103
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-675-685-1103
```

; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeonica Sequence Listing Engine
; SEQ ID NO 1103
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-675-685-1103

Query Match 49.0%; Score 14.2; DB 12; Length 25;
Best Local Similarity 42.1%; Pred. No. 9e+03;
Matches 8; Conservative 8; Mismatches 3; Indels 0; Gaps 0;

QY 7 UCUUUUUAAGCCCUAGG 25
DB 20 TCTTTTGTAGTCCCTAAG 2

RESULT 23
US-10-675-685-1104/c
; Sequence 1104, Application US/10675685
; Publication No. US20040063134A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E

; FILE REFERENCE: PB0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; CURRENT FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeonica Sequence Listing Engine
; SEQ ID NO 1104
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-675-685-1104

Query Match 49.0%; Score 14.2; DB 12; Length 25;
Best Local Similarity 42.1%; Pred. No. 9e+03;
Matches 8; Conservative 8; Mismatches 3; Indels 0; Gaps 0;

QY 7 UCUUUUUAAGCCCUAGG 25
DB 19 TCTTTTGTAGTCCCTAAG 1

RESULT 24
US-10-339-674-788
; Sequence 788, Application US/10339674
; Publication No. US20030204318A1
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Escherichia coli K-12 MG1655 complete genome.
; FILE REFERENCE: Jim Zeeger Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/339,674
; CURRENT FILING DATE: 2003-06-06
; NUMBER OF SEQ ID NOS: 3537
; SOFTWARE: Proprietary
; SEQ ID NO 788
; LENGTH: 38
; TYPE: DNA
; ORGANISM: Escherichia coli K-12 MG1655 complete genome.
; FEATURE:
; LOCATION: (780495)...(780532)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 1028

US-10-339-674-788
Query Match 49.0%; Score 14.2; DB 12; Length 38;
Best Local Similarity 51.9%; Pred. No. 1e+04;
Matches 14; Conservative 5; Mismatches 8; Indels 0; Gaps 0;

QY 2 AUGAUUUUUUUAAGCCCUAGGGGC 28
DB 6 ATGACTCGCTTCGCTCGCCCTACGGGC 32

RESULT 25
US-10-402-365-49
; Sequence 49, Application US/10402365
; Publication No. US20030229913A1
; GENERAL INFORMATION:
; APPLICANT: EXELIXIS DEUTSCHLAND GMBH
; TITLE OF INVENTION: Identification of the FLT1 Gene Required for Angiogenesis in Zebrafish, and Uses Thereof
; FILE REFERENCE: AR03-003C
; CURRENT APPLICATION NUMBER: US/10/402,365
; CURRENT FILING DATE: 2003-03-27
; PRIOR APPLICATION NUMBER: US 60/368,616
; PRIOR FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 49
; LENGTH: 50
; TYPE: DNA
; ORGANISM: Synthetic
US-10-402-365-49

Query Match 49.0%; Score 14.2; DB 15; Length 50;
Best Local Similarity 40.7%; Pred. No. 1.1e+04;
Matches 11; Conservative 8; Mismatches 8; Indels 0; Gaps 0;

QY 2 AUGAUUUUUUUAAGCCCUAGGGGC 28
DB 3 ATTATTCTTCTTCTCTCCCGAGTGC 29

RESULT 26
US-10-339-674-784/c
; Sequence 784, Application US/10339674
; Publication No. US20030204318A1
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Escherichia coli K-12 MG1655 complete genome.
; FILE REFERENCE: Jim Zeeger Law Offices - 703-684-8333
; CURRENT APPLICATION NUMBER: US/10/339,674
; CURRENT FILING DATE: 2003-06-06
; NUMBER OF SEQ ID NOS: 3537
; SOFTWARE: Proprietary
; SEQ ID NO 784
; LENGTH: 51
; TYPE: DNA
; ORGANISM: Escherichia coli K-12 MG1655 complete genome.
; FEATURE:
; LOCATION: (780188)...(780239)
; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 1015

US-10-339-674-784
Query Match 49.0%; Score 14.2; DB 12; Length 51;
Best Local Similarity 51.9%; Pred. No. 1.1e+04;
Matches 14; Conservative 5; Mismatches 8; Indels 0; Gaps 0;

QY 2 AUGAUUUUUUUAAGCCCUAGGGGC 28
DB 35 ATGACTCGCTTCGCTCGCCCTACGGGC 9

RESULT 27
US-10-339-674-787/c
; Sequence 787, Application US/10339674
; Publication No. US20030204318A1
; GENERAL INFORMATION:
; APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
; TITLE OF INVENTION: Escherichia coli K-12 MG1655 complete genome.


```
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-908-975-13840

Query Match      49.0%; Score 14.2; DB 10; Length 60;
Best Local Similarity 44.4%; Pred. No. 1.1e+04;
Matches 12; Conservative 7; Mismatches 8; Indels 0; Gaps 0;

Qy  2 AUGAUCUUUUUGUAGCCCUAGGGC 28
    |||: : : : |||: |||:
Db  4 AGGATTGTTTCTGCAACCCCTGATGC 30

RESULT 32
US-10-170-097-1059
; Sequence 1059, Application US/10170097
; Publication No. US20030228582A1
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Chumakov, Ilva
; APPLICANT: Cohen, Annie
; TITLE OF INVENTION: BIOMIMETIC MARKERS DERIVED FROM GENOMIC REGIONS CARRYING
; FILE REFERENCE: GEN-T114XC2D1
; CURRENT APPLICATION NUMBER: US/10/170,097
; PRIOR FILING DATE: 2002-06-10
; PRIOR APPLICATION NUMBER: US 09/641,638
; PRIOR FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: US 09/502,330
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: US 60/133,200
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: US 09/275,267
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: US 60/119,917
; PRIOR FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 1304
; SOFTWARE: Patent.pm
; SEQ ID NO 1059
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 12-171-360 : polymorphic base C or T
US-10-170-097-1059

Query Match      48.3%; Score 14; DB 15; Length 47;
Best Local Similarity 50.0%; Pred. No. 1.3e+04;
Matches 11; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

Qy  5 AUUCUUUUUGUAGCCCUAGGG 26
    |||: : : |||: |||:
Db  25 ATTCTATCTGGAGCTCTAGGG 46

RESULT 33
US-09-908-975-6479/c
; Sequence 6479, Application US/09908975
; Publication No. US20030165843A1
; GENERAL INFORMATION:
; APPLICANT: SHOSHAN, Avi
; APPLICANT: WASSERMAN, Alon
; APPLICANT: MINTZ, Eli
; APPLICANT: MINTZ, Liat
; APPLICANT: FAIGLER, Simchon
; TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPLICE
; FILE REFERENCE: 36688-0005
; CURRENT APPLICATION NUMBER: US/09/908,975

; PRIOR FILING DATE: 2000-09-27
```

```
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 60/287,724
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: US 60/221,607
; PRIOR FILING DATE: 2000-07-28
; NUMBER OF SEQ ID NOS: 32337
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 6479
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-908-975-6479

Query Match      48.3%; Score 14; DB 10; Length 60;
Best Local Similarity 40.9%; Pred. No. 1.4e+04;
Matches 9; Conservative 8; Mismatches 5; Indels 0; Gaps 0;

Qy  1 UAUGAUCUUUUUGUAGCCCU 22
    : : : |||: |||: |||:
Db  22 TCTGCATCTGTTTGAAGCCCU 1

RESULT 34
US-09-908-975-12187/c
; Sequence 12187, Application US/09908975
; Publication No. US20030165843A1
; GENERAL INFORMATION:
; APPLICANT: SHOSHAN, Avi
; APPLICANT: WASSERMAN, Alon
; APPLICANT: MINTZ, Eli
; APPLICANT: MINTZ, Liat
; APPLICANT: FAIGLER, Simchon
; TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPLICE
; FILE REFERENCE: 36688-0005
; CURRENT APPLICATION NUMBER: US/09/908,975
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US 60/287,724
; PRIOR FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: US 60/221,607
; PRIOR FILING DATE: 2000-07-28
; NUMBER OF SEQ ID NOS: 32337
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 12187
; LENGTH: 60
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-908-975-12187

Query Match      48.3%; Score 14; DB 10; Length 60;
Best Local Similarity 40.9%; Pred. No. 1.4e+04;
Matches 9; Conservative 8; Mismatches 5; Indels 0; Gaps 0;

Qy  4 GAUUCUUUUUGUAGCCCUAGG 25
    |||: : : |||: |||:
Db  54 GATTCTTCTGTAGCGCTAAG 33

RESULT 35
US-09-827-998-283/c
; Sequence 283, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
```

```
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 283
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-283

Query Match      47.6%; Score 13.8; DB 9; Length 17;
Best Local Similarity 41.2%; Pred. No. 1.3e+04;
Matches 7; Conservative 8; Mismatches 2; Indels 0; Gaps 0;

QY 7 UCUIUUUGUAAGCCCUA 23
Db 17 TCTTTTGTAGTCCCTA 1

RESULT 36
US-10-675-685-283/c
; Sequence 283, Application US/10675685
; Publication No. US20040063134A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: PB0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; CURRENT FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 283
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-675-685-283

Query Match      47.6%; Score 13.8; DB 12; Length 17;
Best Local Similarity 41.2%; Pred. No. 1.3e+04;
Matches 7; Conservative 8; Mismatches 2; Indels 0; Gaps 0;

QY 7 UCUIUUUGUAAGCCCUA 23
Db 17 TCTTTTGTAGTCCCTA 1

RESULT 37
US-09-827-998-1105/c
; Sequence 1105, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDHMOF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 1105
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-1105

Query Match      47.6%; Score 13.8; DB 9; Length 25;
Best Local Similarity 41.2%; Pred. No. 1.4e+04;
Matches 7; Conservative 8; Mismatches 2; Indels 0; Gaps 0;

QY 7 UCUIUUUGUAAGCCCUA 23
Db 17 TCTTTTGTAGTCCCTA 1

RESULT 38
US-09-827-998-1106/c
; Sequence 1106, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDHMOF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aecomica Sequence Listing Engine
; SEQ ID NO 1106
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-1106

Query Match      47.6%; Score 13.8; DB 9; Length 25;
Best Local Similarity 41.2%; Pred. No. 1.4e+04;
Matches 7; Conservative 8; Mismatches 2; Indels 0; Gaps 0;

QY 7 UCUIUUUGUAAGCCCUA 23
Db 17 TCTTTTGTAGTCCCTA 1

RESULT 39
US-09-872-462-287/c
; Sequence 287, Application US/09872462
; Patent No. US20020169295A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Corrigan, Amy
; TITLE OF INVENTION: HUMAN NEDD1
; FILE REFERENCE: ACOMICA-9
; CURRENT APPLICATION NUMBER: US/09/872,462
; CURRENT FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
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; NUMBER OF SEQ ID NOS: 473
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 287
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-872-462-287

Query Match      47.6%; Score 13.8; DB 9; Length 25;
Best Local Similarity 40.0%; Pred. No. 1.4e+04;
Matches 10; Conservative 8; Mismatches 7; Indels 0; Gaps 0;

Qy      2 AUGAUCUUUUUGUAGCCCUAGG 26
Db      25 ATGATTCTTTTATCCAAAGCCTATGG 1

RESULT 40
US-10-675-685-1105/c
; Sequence 1105, Application US/10675685
; Publication No. US20040063134A1
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: P0114
; CURRENT APPLICATION NUMBER: US/10/675,685
; CURRENT FILING DATE: 2003-09-30
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; SEQ ID NO 1105
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-675-685-1105

Query Match      47.6%; Score 13.8; DB 12; Length 25F
Best Local Similarity 41.2%; Pred. No. 1.4e+04;
Matches 7; Conservative 8; Mismatches 2; Indels 0; Gaps 0;

Qy      7 UCUUUUUGUAGCCCUA 23
Db      18 TCTTTTGTAGTCCTA 2

Search completed: April 18, 2004, 11:55:26
Job time : 169.667 secs
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